



## TECHNICAL SPECIFICATION FOR:

# 300KW-600KW AIR HANDLING UNIT

## OVERVIEW

- ✔ High volume airflow via 2 x 800mm outlets
- ✔ Close fan speed control with fan inverter
- ✔ Robust design for industrial environments



## DESCRIPTION

Celsius Hire 300KW-600KW AIR HANDLING UNIT is a powerful unit offering up to 30,000m<sup>3</sup>/hr of airflow, providing cooling (300KW) or heating (600KW) to large spaces. The unit requires a chilled or hot water source to its coil, and this can be achieved by coupling with a Celsius Hire Chiller or Boiler or connecting to an existing system.

With 2 x 800mm outlet spigots fitted as standard, and Celsius Hire's large range of ducting ancillaries, the unit can be applied to large scale applications such as distribution depot cooling and heating, data centres and supermarkets. Additional features include on-board inverter controlled variable fan speed, flexible connections, and a mounted 32A 3Ph 5pin commando plug.

CELSIUS HIRE

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All data is subject to change and continuous improvement without notice. All equipment is designed to relevant mechanical and electrical directives

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**PERFORMANCE DATA AT DESIGN CONDITIONS**

COOLING CAPACITY	KW	300
HEATING CAPACITY	KW	600
TEMPERATURE RANGE (AIR OFF)	°C	10 - 40

**OPERATING LIMITS**

FLUID DESIGN FLOW RATE	L/S	20
FLUID PRESSURE DROP	kPa	47
MAX WORKING PRESSURE	Bar	10
COIL WATER VOLUME	L	200
CONDENSATE PUMP INCLUDED	Y/N	N

**ELECTRICAL DATA**

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3-Phase & E (No Neutral)
POWER CONNECTIONS	Fitted Plug	32A 3Ph 5pin BS4343
FULL LOAD RUNNING CURRENT (MAX)	A	22
MAX POWER ABSORBED	KW	14

**AIR LIMITS**

TOTAL NUMBER FANS	No.	3
OPTIONAL OUTLET SPIGOT DIAMETER	mm	2 x 800
AIRFLOW	M <sup>3</sup> /hr	30,000
MAX DUCT LENGTH (2 X 800MM)	Metres	40
MAX EXTERNAL PRESSURE AT DESIGN	Pa	500
MAX AIR THROW	Metres	40
VARIABLE FAN SPEED RANGE	RPM	0-2100

**PHYSICAL DATA**

LENGTH	mm	3000
WIDTH	mm	2260
HEIGHT	mm	2150
WEIGHT (DRY)	KG	1500
WEIGHT (WET)	KG	1700
FLUID COUPLING SIZE	mm	100
SOUND PRESSURE	dB(A) at 10 metres	87



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